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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/002497

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> C30B29/20, C30B9/02

According to International Patent Classification (IPC) or to both national classification and IPC

### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
Int.Cl<sup>7</sup> C30B29/20, C30B9/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

|                           |           |                            |           |
|---------------------------|-----------|----------------------------|-----------|
| Jitsuyo Shinan Koho       | 1922-1996 | Jitsuyo Shinan Toroku Koho | 1996-2005 |
| Kokai Jitsuyo Shinan Koho | 1971-2005 | Toroku Jitsuyo Shinan Koho | 1994-2005 |

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
JSTPLUS (JICST)

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| X         | JP 40-026525 B1 (NGK Insulators, Ltd.),<br>17 November, 1965 (17.11.65),<br>Column 2, lines 10 to 20; column 5, line 22<br>to column 7, line 10; tables 1 to 3; Fig. 2<br>(Family: none) | 1-4                   |
| A         | JP 63-017297 A (Matsushima Kogyo Kabushiki<br>Kaisha),<br>25 January, 1988 (25.01.88),<br>Claims; examples 1, 2; Fig. 1<br>(Family: none)  | 1-14                  |
| A         | S. OISHI et al., Growth of emerald crystal<br>by the evaporation of molybdenum trioxide<br>flux, BRITISH CERAMIC TRANSACTIONS, 1993,<br>Vol.92, No.5, pages 214 to 216                   | 1-14                  |

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

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"&" document member of the same patent family

Date of the actual completion of the international search  
23 March, 2005 (23.03.05)

Date of mailing of the international search report  
12 April, 2005 (12.04.05)

Name and mailing address of the ISA/  
Japanese Patent Office

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International application No.

PCT/JP2005/002497

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| P, A      | S. OISHI et al., Flux growth of hexagonal bipyramidal ruby crystals, JOURNAL OF AMERICAN CHEMICAL SOCIETY, 2004, Vol.126, pages 4768 to 4769 | 1-14                  |